

U.S. ENVIRONMENTAL PROTECTION AGENCY

153383



POLLUTION REPORT

DATE: July 16, 1984

Region II
Emergency Response Branch
Edison, NJ 08837

TO: R. Dewling, EPA
W. Librizzi, EPA
F. Rubel, EPA
W. Mugdan, EPA
J. Marshall, EPA
USCG 3rd Dist, (mep)
USCG COTPNY
D. Vaupel, USGS
T. Quinn, NYSDEC
N. Nosenchuck, NYSDEC
NRC
G. Donohue, Nassau County
DOH
J. Schechter, Nassau
County DOH
TAT

(201) 321-6670 - Commerical
(201) 548-8730 - 24 Hour Emergency
340-6670 - FTS

POLREP NO.: Twenty-Eight (28)
INCIDENT NAME: Hicksville MEK
SITE/SPILL NO: 246-82 CERCLA NO: 36
POLLUTANT: Methyl Ethyl Ketone
CLASSIFICATION: Medium
SOURCE: Mattiace Petrochemical Co., Glencove, NY
LOCATION: Hicksville, Long Island
AMOUNT: Approximately 3,000 Gallons
WATER BODY: Groundwater

1. SITUATION:

A. Planned removal activities on-site are on-going under Contract for Services #68-01-6893 with O. H. Materials Company.

B. Construction of the on-site treatment facility is now complete. Efforts to initiate continuous operations are on-going.

C. On Friday, July 13, 1984, the air stripping unit was operated for approximately twelve hours in which once processed water was recycled through the system. At 0800 hours, July 14, 1984, the unit had to be shut down due to iron fouling of the heat exchanger plates. Analysis of the well water for iron has shown iron content in wells No. 9, 10, 11 at 10.0, 33.7 and 13.3 ppm, respectively. Normal Long Island iron content in well water ranges from 0.1 to 1.0 ppm.

D. It is felt that this unexpectly high iron content contributes to the abnormally high fouling experienced.

2. ACTION TAKEN:

A. Approximately 40,000 gallons of groundwater averaging 800 ppm of MEK has been successfully treated to NYSDOH specified limits and reinjected.

B. The stripping system has been brought on line twice since operations began on July 8, 1984. Once without pretreatment and once with alkalization to pH 8. Bench testing has shown that it may be possible to prevent iron fouling by acidification to pH 4.0. Stripping would then be followed by liming to pH 7. This procedure will be instituted this week and if successful will be used throughout the remainder of the operation.

3. STATUS OF FUNDS:

A. Tbtal Extramural Trust Funds
Authorized for Mitigation Contracts \$576,450.00

B. Expenditures for Mitigation

a. Amount Obligated Under ERCS Contract
#68-01-6893, O.H. Materials, Order for
Services Number 2893-02-002 Dated
2/13/84 (DCN #D2D013) 500,000.00

b. Estimated Expenditures to 7/12/84 Under
DCN #D2D013 398,716.53

c. Balance of Obligated Amount Under
DCN #D2D013 101,283.47

C. Balance of Unobligated Funding to
7/12/84 is 76,450.00

D. Estimated Total Expenditures to
7/12/84 for Mitigation Contracts 398,716.53

E. Other Estimated Costs

a. TAT Costs to Date Through 7/13/84 12,468.00

F. Intramural Costs

a. EPA Costs to Date Through 7/13/84 9,000.00

G. Total Estimated Expenditures to 7/13/84 420,184.53
Percentage of 1M 42.01%

4. FUTURE PLANS AND RECOMMENDATIONS:

A. Continue the authorized planned removal action.

CASE PENDING X CASE CLOSED

SUBMITTED BY

Robert M. Cobiella
Robert Cobiella, OSC
Emergency Response
Branch

(TAT)

Date Released: 7/16/84